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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. GK-US035131

First Inventor Boeun KIM

Title TRANSCONDUCTANCE VARYING CIRCUIT OF
TRANSCONDUCTOR CIRCUIT, VARYING BANDWIDTH FILTER
CIRCUIT USING THE SAME AND DIGITAL TUNING CIRCUIT OF
TRANSCONDUCTOR-CAPACITOR FILTER

Express Mail Label No. _____

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 28]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
- Oath or Declaration [Total Pages 1]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. §3.73(b) Statement Power of (when there is an assignee) Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	22919 (Insert Customer No. or Attach bar code label here)	or <input type="checkbox"/> Correspondence address below
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Signature			Date 9/30/03

[Page 1 of 2]

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FEE TRANSMITTAL FORM

Attorney Docket No.: **GK-US035131**

ASSISTANT COMMISSIONER OF PATENTS
BOX: PATENT APPLICATION
Washington, D.C. 20231

Transmitted herewith for filing is the patent application of

Inventor: **Boeun KIM et al.**

For: **TRANSCONDUCTANCE VARYING CIRCUIT OF TRANSCONDUCTOR CIRCUIT, VARYING ANDWIDTH FILTER CIRCUIT USING THE SAME AND DIGITAL TUNING CIRCUIT OF TRANSCONDUCTOR-CAPACITOR FILTER**

The filing fee for filing this patent application has been calculated as follows:

FOR:	(Col. 1) NO. FILED	(Col. 2) NO. EXTRA	SMALL ENTITY		OTHER THAN A SMALL ENTITY		
			RATE	FEE	OR	RATE	FEE
BASIC FEE				\$375.00	OR		\$750.00
TOTAL	9	- 20 = 0	x 09 = \$		X 18 = \$		
INDEP	3	- 3 = 0	x 42 = \$		x 84 = \$		
<input type="checkbox"/> MULTIPLE . DEPENDENT CLAIMS			+ 140 = \$		+ 280 = \$		
If the difference in Col. 1 is less than zero, enter "0" in Col. 2			TOTAL	\$375.00	TOTAL	\$	

- A check is enclosed in the amount of \$ _____ to cover the above calculated filing fee and the \$40.00 Assignment recording fee.
- Please charge our Deposit Account No. **50-1836** in the amount of \$ _____ to cover the above calculated filing fee and the \$40.00 Assignment recording fee.
- Other:
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **50-1836**. A duplicate copy of this sheet is attached.
 - Any additional excess claim fees under 37 CFR 1.16.
 - Any additional patent application processing fees under 37 CFR 1.17.

Dated: 9/30/03

Todd M. Guise
Reg. No. 46,748

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